

# Standby Power Use in Chinese Homes

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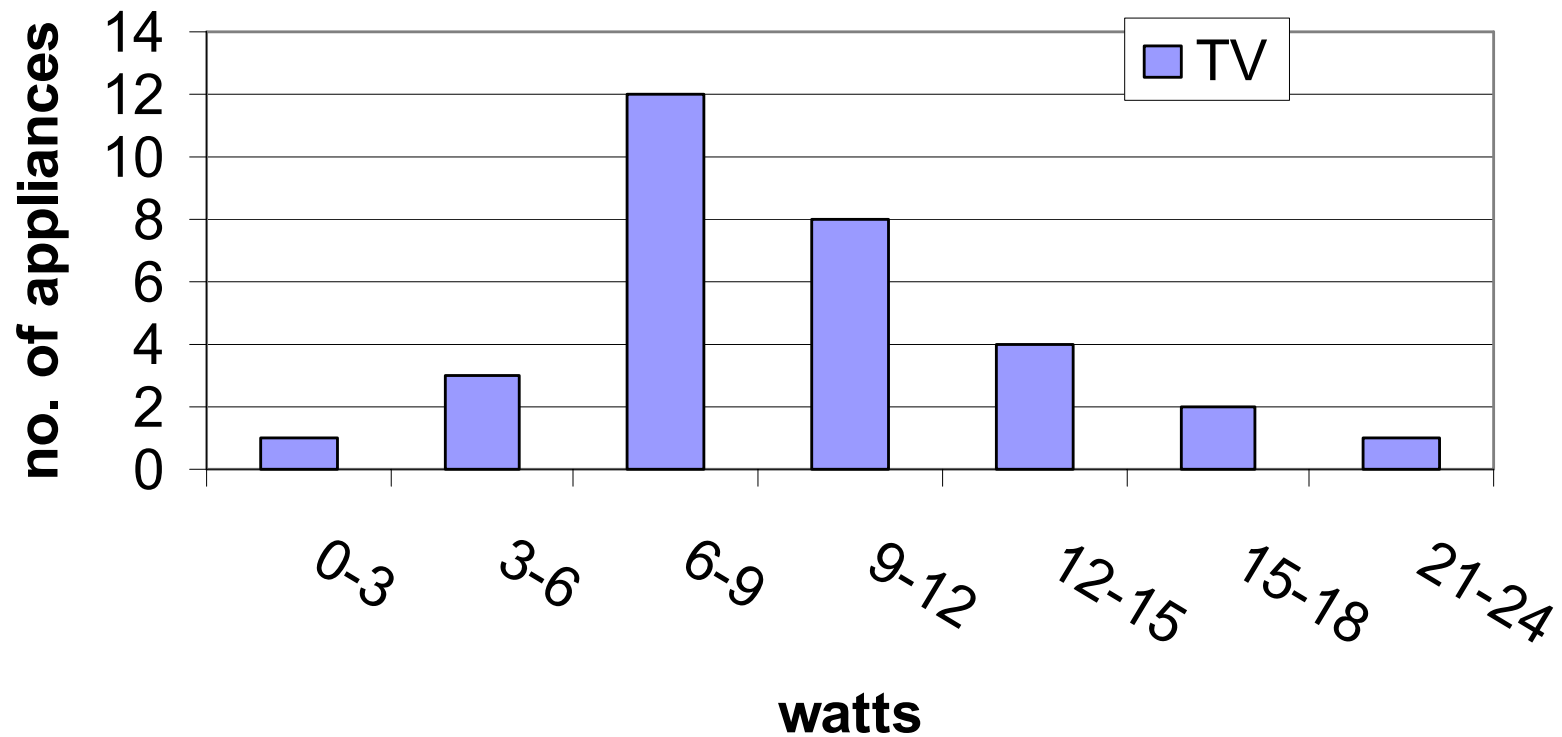
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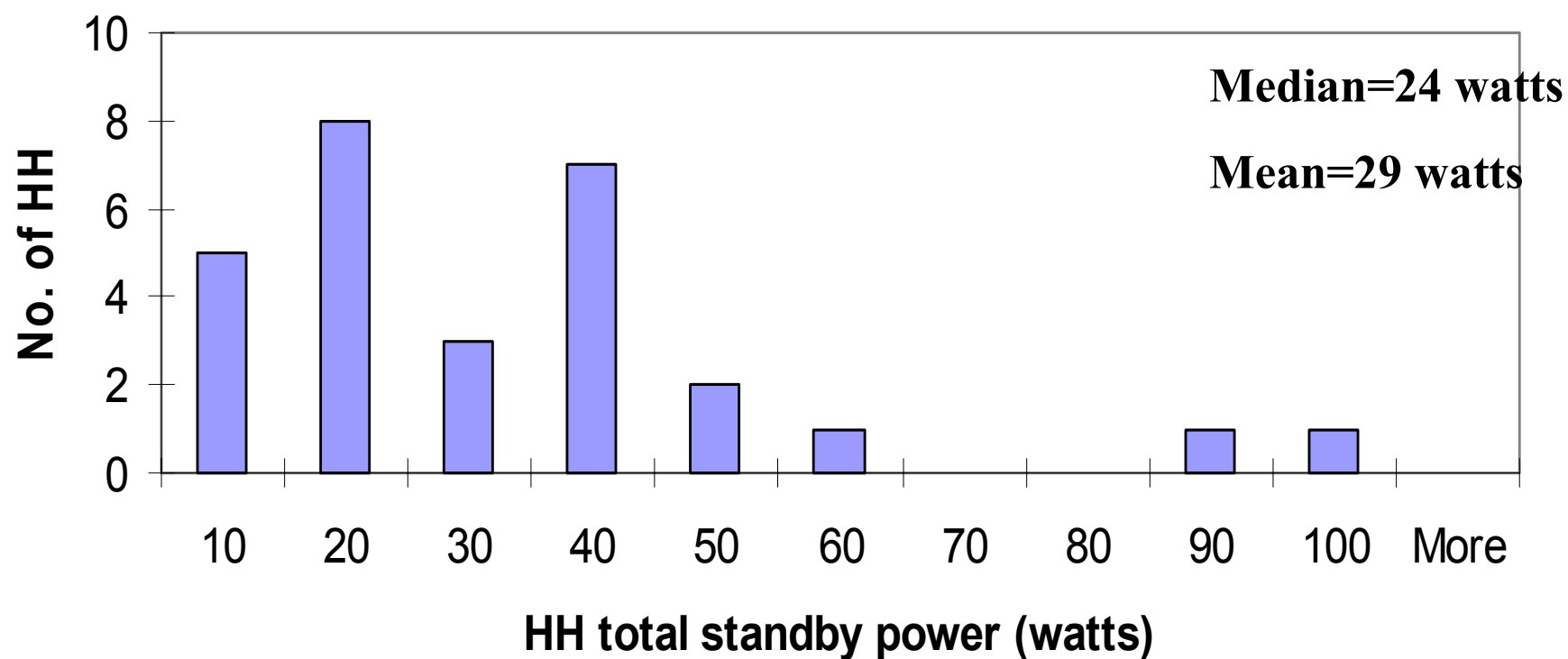
# Introduction

- China is one of the largest consumers and producers of consumer electronics, over 40 million color TV produced in 2000
- Unit standby power use is higher than those observed elsewhere
- Unique usage pattern
- Potential for energy saving and GHG emission reduction is significant

## Distribution of Standby Power Consumption in Chinese appliances



## HH distribution by standby power, China



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## Standby Usage Pattern

- Many people unplug their TVs and other a/v equipment in the past as a safety precaution
- However, this practice is losing popularity, particularly among younger generations
  - Interior aesthetics
  - Convenience
  - A survey of 400 households show the plugged-in time for A/V equipment 9-10 hours/day
  - At such usage hours, standby power loss is around 10% of urban household electricity use.

## Summary

- Standby power use in China is large, and is likely to grow even larger in the future.
- China has closely followed global actions on reducing standby power
- In January 2002, CECP has issued the first specification on standby power requirement for TV products in China, which is harmonized with the US EPA Energy Star program
- Plan to introduce similar technical requirements for other consumer electronics and office products in the next two years